WHAT IS CLAIMED IS:

1. A method for treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least one inhibitor of Akt and at least one inhibitor of a protein kinase.

2. The method according to Claim 1 wherein an amount of an inhibitor of Akt and an amount of an inhibitor of a protein kinase are administered consecutively.

3. The method according to Claim 1 wherein an amount of an inhibitor of Akt and an amount of an inhibitor of a protein kinase are administered simultaneously.

4. The method according to Claim 1 wherein the method of treating cancer is selected from inhibition of cancerous tumor growth and regression of cancerous tumors.

5. The method according to Claim 1 wherein the method of treating cancer is selected from cancer comprising breast cancer, prostate cancer, pancreatic cancer, colorectal cancer, lung cancer, ovarian cancer, renal cell carcinoma, endometrial carcinoma, glioblastoma, colon cancer and bladder cancer.

6. The method according to Claim 5 wherein the cancer is selected from breast cancer, prostate cancer, pancreatic cancer and ovarian cancer.

7. The method according to Claim 1 wherein the inhibitor of Akt inhibits the activity of one or more of the isoforms of Akt.

8. The method according to Claim 1 wherein the inhibitor of Akt is a small organic molecule.

9. The method according to Claim 1 wherein the inhibitor of Akt inhibits the phosphorylation of one or more of the isoforms of Akt by upstream kinases and inhibits the phosphorylation of protein targets of an isoform or isoforms of Akt by the activated isoform or isoforms of Akt.

10. The method according to Claim 1 wherein the inhibitor of Akt inhibits the phosphorylation of one or more of the isoforms of Akt by upstream kinases or inhibits the phosphorylation of protein targets of an isoform or isoforms of Akt by the activated isoform or isoforms of Akt.

11. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1.

12. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt2.

13. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1 and Akt2.

14. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1 and Akt3.

15. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt2 and Akt3.

16. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt3.

17. The method according to Claim 1 wherein the inhibitor of Akt inhibits the activity of one or more of the isoforms of Akt wherein the inhibition by the inhibitor is dependent on the presence of the region of the isoform of Akt selected from:

a) the pleckstrin homology domain,
b) the hinge region, and
c) the pleckstrin homology domain and the hinge region.

18. The method according to Claim 17 wherein the region of the isoform of Akt is the pleckstrin homology domain.

19. The method according to Claim 17 wherein the region of the isoform of Akt is the hinge region.

20. The method according to Claim 17 wherein the region of the isoform of Akt is the pleckstrin homology domain and the hinge region.

21. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1.

22. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt2.

23. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt3.

24. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of Akt1 and Akt2.

25. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of Akt1 and Akt3.

26. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of Akt2 and Akt3.

27. The method according to Claim 17 wherein the inhibitor of Akt is a selective inhibitor of Akt1, Akt2 and Akt3.

28. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1, but is not an inhibitor of the activity of a modified Akt1 that lacks the pleckstrin homology domain.

29. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt2, but is not an inhibitor of the activity of a modified Akt2 that lacks the pleckstrin homology domain.

30. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt3, but is not an inhibitor of the activity of a modified Akt3 that lacks the pleckstrin homology domain.

31. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1 and Akt2, but is not an inhibitor of the activity of a modified Akt1 that lacks the pleckstrin homology domain, a modified Akt2 that lacks the pleckstrin homology domain or both a modified Akt1 and a modified Akt2 protein that lack their pleckstrin homology domains.

32. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1 and Akt3, but is not an inhibitor of the activity of a modified Akt 1 that lacks the pleckstrin homology domain, a modified Akt3 that lacks the pleckstrin homology domain or both a modified Akt1 and a modified Akt3 protein that lack their pleckstrin homology domains.

33. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt2 and Akt3, but is not an inhibitor of the activity of a modified Akt2 that lacks the pleckstrin homology domain, a modified Akt3 that lacks the pleckstrin homology domain or both a modified Akt2 and a modified Akt3 protein that lack their pleckstrin homology domains.

34. The method according to Claim 1 wherein the inhibitor of Akt is a selective inhibitor of the activity of Akt1, Akt2 and Akt3, but is not an inhibitor of the activity of a modified Akt1 that lacks the pleckstrin homology domain, a modified Akt2 that lacks the pleckstrin homology domain, a modified Akt3 that lacks the pleckstrin homology domain or two or three modified Akt isoforms that lack their pleckstrin homology domains.

35. A method for treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least two selective inhibitors of Akt.

36. The method of Claim 35 wherein the activity of Akt1 and the activity of Akt2 is inhibited.

37. The method of Claim 35 wherein the activity of Akt1 and the activity of Akt2 is inhibited but the activity of Akt3 is not inhibited.

38. The method according to Claim 35 wherein the selective inhibitors of Akt are selected from:

a) an Akt1 selective inhibitor,
b) an Akt2 selective inhibitor,
c) an Akt3 selective inhibitor,
d) a selective inhibitor of both Akt1 and Akt2,
e) a selective inhibitor of both Akt1 and Akt3,
f) a selective inhibitor of both Akt2 and Akt3 , and
g) a selective inhibitor of Akt1, Akt2 and Akt3.

39. The method according to Claim 35 wherein the inhibitors of Akt are small organic molecules.

40. The method according to Claim 38 wherein the selective inhibitors are selected from an Akt1 selective inhibitor, an Akt2 selective inhibitor and a selective inhibitor of both Akt1 and Akt2.

41. The method according to Claim 35 wherein the selective inhibitors do not inhibit Akt3.

42. The method according to Claim 40 wherein the selective inhibitors do not inhibit Akt3.

43. A method for selectively inhibiting Akt activity in a cell which comprises the administration of one or more selective Akt inhibitors.

44. The method of Claim 43 wherein the activity of Akt1 and the activity of Akt2 is inhibited.

45. The method of Claim 43 wherein the activity of Akt1 and the activity of Akt2 is inhibited but the activity of Akt3 is not inhibited.

46. The method of Claim 43 wherein the selective inhibitors of Akt are selected from:

a) an Akt1 selective inhibitor,

b) an Akt2 selective inhibitor,

c) an Akt3 selective inhibitor,

d) a selective inhibitor of both Akt1 and Akt2,

e) a selective inhibitor of both Akt1 and Akt3,

f) a selective inhibitor of both Akt2 and Akt3, and

g) a selective inhibitor of Akt1, Akt2 and Akt3.

47. The method of Claim 46 wherein the selective inhibitors are selected from an Akt1 selective inhibitor, an Akt2 selective inhibitor and a selective inhibitor of both Akt1 and Akt2.

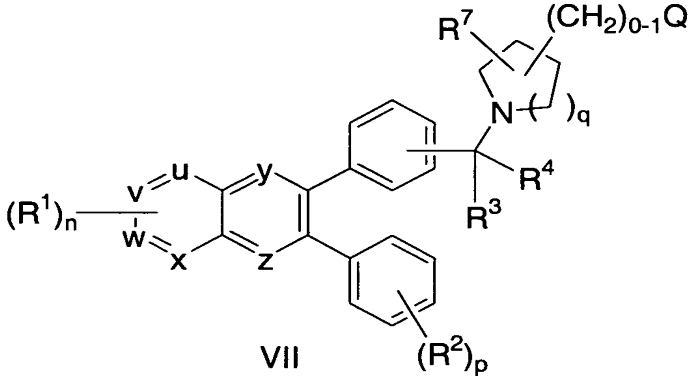
48. The method of Claim 43 wherein the selective inhibitors do not inhibit Akt3.

49 The method of Claim 47 wherein the selective inhibitors do not inhibit Akt3.

50. The method of Claim 43 wherein the selective inhibitor is a small molecule.

51. The method of Claim 43 which is useful for the treatment of cancer.

52. The method according to Claim 1 wherein the inhibitor of Akt is selected from a compound of the formula VII:



VII

wherein:

a is 0 or 1;
b is 0 or 1;
m is 0, 1 or 2;
n is 0, 1, 2 or 3;
p is 0, 1 or 2;
q is 0, 1, 2, 3 or 4;
r is 0 or 1;
s is 0 or 1;
t is 2, 3, 4, 5 or 6;

u, v, w and x are independently selected from: CH and N;

y and z are independently selected from: CH and N, provided that at least one of y and z is N;

Q is selected from: $-NR^5R^6$, aryl and heterocyclyl, said aryl and heterocycle which is optionally substituted with one to three R^z;

R^1 is independently selected from:

1) $(C{=}O)_aO_bC_1$-C_{10} alkyl,
2) $(C{=}O)_aO_b$aryl,
3) C_2-C_{10} alkenyl,
4) C_2-C_{10} alkynyl,
5) $(C{=}O)_aO_b$ heterocyclyl,
6) $(C{=}O)_aO_bC_3$-C_8 cycloalkyl,
7) CO_2H,
8) halo,
9) CN,
10) OH,
11) O_bC_1-C_6 perfluoroalkyl,
12) $O_a(C{=}O)_bNR^5R^6$,
13) $NR^c(C{=}O)NR^5R^6$,
14) $S(O)_mR^a$,
15) $S(O)_2NR^5R^6$,

16) $NR^cS(O)_mR^a$,
17) oxo,
18) CHO,
19) NO_2,
20) $NR^c(C{=}O)O_bR^a$,
21) $O(C{=}O)O_bC_1$-C_{10} alkyl,
22) $O(C{=}O)O_bC_3$-C_8 cycloalkyl,
23) $O(C{=}O)O_b$aryl, and
24) $O(C{=}O)O_b$-heterocycle,

said alkyl, aryl, alkenyl, alkynyl, heterocyclyl, and cycloalkyl optionally substituted with one or more substituents selected from R^z;

R^2 is independently selected from:

1) $(C{=}O)_aO_bC_1$-C_{10} alkyl,
2) $(C{=}O)_aO_b$aryl,
3) C_2-C_{10} alkenyl,
4) C_2-C_{10} alkynyl,
5) $(C{=}O)_aO_b$ heterocyclyl,
6) $(C{=}O)_aO_bC_3$-C_8 cycloalkyl,
7) CO_2H,
8) halo,
9) CN,
10) OH,
11) O_bC_1-C_6 perfluoroalkyl,
12) $O_a(C{=}O)_bNR^5R^6$,
13) $NR^c(C{=}O)NR^5R^6$,
14) $S(O)_mR^a$,
15) $S(O)_2NR^5R^6$,
16) $NR^cS(O)_mR^a$,
17) CHO,
18) NO_2,
19) $NR^c(C{=}O)O_bR^a$,
20) $O(C{=}O)O_bC_1$-C_{10} alkyl,
21) $O(C{=}O)O_bC_3$-C_8 cycloalkyl,

22) $O(C{=}O)O_b$aryl, and
23) $O(C{=}O)O_b$-heterocycle,

said alkyl, aryl, alkenyl, alkynyl, heterocyclyl, and cycloalkyl optionally substituted with one, two or three substituents selected from R^z;

R^3 and R^4 are independently selected from: H, C_1-C_6-alkyl and C_1-C_6-perfluoroalkyl, or

R^3 and R^4 are combined to form $-(CH_2)_t-$ wherein one of the carbon atoms is optionally replaced by a moiety selected from O, $S(O)_m$, $-N(R^b)C(O)-$, and $-N(COR^a)-$;

R^5 and R^6 are independently selected from:
1) H,
2) $(C{=}O)O_bR^a$,
3) C_1-C_{10} alkyl,
4) aryl,
5) C_2-C_{10} alkenyl,
6) C_2-C_{10} alkynyl,
7) heterocyclyl,
8) C_3-C_8 cycloalkyl,
9) SO_2R^a, and
10) $(C{=}O)NR^b{}_2$,

said alkyl, cycloalkyl, aryl, heterocylyl, alkenyl, and alkynyl is optionally substituted with one or more substituents selected from R^z, or

R^5 and R^6 can be taken together with the nitrogen to which they are attached to form a monocyclic or bicyclic heterocycle with 5-7 members in each ring and optionally containing, in addition to the nitrogen, one or two additional heteroatoms selected from N, O and S, said monocyclic or bicyclic heterocycle optionally substituted with one or more substituents selected from R^z;

R^7 is independently selected from:
1) $(C{=}O)_aO_bC_1$-C_{10} alkyl,
2) $(C{=}O)_aO_b$aryl,
3) C_2-C_{10} alkenyl,

4) C_2-C_{10} alkynyl,
5) $(C{=}O)_aO_b$ heterocyclyl,
6) $(C{=}O)_aO_bC_3$-C_8 cycloalkyl,
7) CO_2H,
8) halo,
9) CN,
10) OH,
11) O_bC_1-C_6 perfluoroalkyl,
12) $O_a(C{=}O)_bNR^5R^6$,
13) $NR^5(C{=}O)NR^5R^6$,
14) $S(O)_mR^a$,
15) $S(O)_2NR^5R^6$,
16) $NR^5S(O)_mR^a$,
17) oxo,
18) CHO,
19) NO_2,
20) $O(C{=}O)O_bC_1$-C_{10} alkyl, and
21) $O(C{=}O)O_bC_3$-C_8 cycloalkyl,

said alkyl, aryl, alkenyl, alkynyl, heterocyclyl, and cycloalkyl optionally substituted with one or more substituents selected from R^z;

R^z is selected from:

1) $(C{=}O)_rO_s(C_1$-$C_{10})$alkyl,
2) $O_r(C_1$-$C_3)$perfluoroalkyl,
3) $(C_0$-$C_6)$alkylene-$S(O)_mR^a$,
4) oxo,
5) OH,
6) halo,
7) CN,
8) $(C{=}O)_rO_s(C_2$-$C_{10})$alkenyl,
9) $(C{=}O)_rO_s(C_2$-$C_{10})$alkynyl,
10) $(C{=}O)_rO_s(C_3$-$C_6)$cycloalkyl,
11) $(C{=}O)_rO_s(C_0$-$C_6)$alkylene-aryl,
12) $(C{=}O)_rO_s(C_0$-$C_6)$alkylene-heterocyclyl,
13) $(C{=}O)_rO_s(C_0$-$C_6)$alkylene-$N(R^b)_2$,

14) $C(O)R^a$,
15) $(C_0\text{-}C_6)$alkylene-CO_2R^a,
16) C(O)H,
17) $(C_0\text{-}C_6)$alkylene-CO_2H,
21) $C(O)N(R^b)_2$,
22) $S(O)_mR^a$,
23) $S(O)_2N(R^b)_2$
21) $NR^c(C{=}O)O_bR^a$,
22) $O(C{=}O)O_bC_1\text{-}C_{10}$ alkyl,
23) $O(C{=}O)O_bC_3\text{-}C_8$ cycloalkyl,
24) $O(C{=}O)O_b$aryl, and
25) $O(C{=}O)O_b$-heterocycle,

said alkyl, alkenyl, alkynyl, cycloalkyl, aryl, and heterocyclyl is optionally substituted with up to three substituents selected from R^b, OH, $(C_1\text{-}C_6)$alkoxy, halogen, CO_2H, CN, $O(C{=}O)C_1\text{-}C_6$ alkyl, oxo, and $N(R^b)_2$;

R^a is substituted or unsubstituted $(C_1\text{-}C_6)$alkyl, substituted or unsubstituted $(C_2\text{-}C_6)$alkenyl, substituted or unsubstituted $(C_2\text{-}C_6)$alkynyl, substituted or unsubstituted $(C_3\text{-}C_6)$cycloalkyl, substituted or unsubstituted aryl, $(C_1\text{-}C_6)$perfluoroalkyl, 2,2,2-trifluoroethyl, or substituted or unsubstituted heterocyclyl; and

R^b is H, $(C_1\text{-}C_6)$alkyl, substituted or unsubstituted aryl, substituted or unsubstituted benzyl, substituted or unsubstituted heterocyclyl, $(C_3\text{-}C_6)$cycloalkyl, $(C{=}O)OC_1\text{-}C_6$ alkyl, $(C{=}O)C_1\text{-}C_6$ alkyl or $S(O)_2R^a$;

R^c is selected from:

1) H,
2) $C_1\text{-}C_{10}$ alkyl,
3) aryl,
4) $C_2\text{-}C_{10}$ alkenyl,
5) $C_2\text{-}C_{10}$ alkynyl,
6) heterocyclyl,
7) $C_3\text{-}C_8$ cycloalkyl,
8) $C_1\text{-}C_6$ perfluoroalkyl,

said alkyl, cycloalkyl, aryl, heterocylyl, alkenyl, and alkynyl is optionally substituted with one or more substituents selected from R^z,

or a pharmaceutically acceptable salt or a stereoisomer thereof.

53. The method according to Claim 1 wherein the inhibitor of Akt is selected from:

N-[2-(diethylamino)ethyl]-3-(4-{[4-(2-oxo-2,3-dihydro-1*H*-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-2-phenylquinoxaline-6-carboxamide;

N-[2-(diethylamino)ethyl]-2-(4-{[4-(2-oxo-2,3-dihydro-1*H*-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxaline-6-carboxamide;

N'-(7-Cyclobutyl-3-phenyl-[1,2,4]triazolo[4,3-*b*]pyridazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

N'-(7-Cyclobutyl-3-(3,5-difluoro-phenyl)-[1,2,4]triazolo[4,3-*b*]pyridazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

N'-(7-Cyclobutyl-3-(3,4-difluoro-phenyl)-[1,2,4]triazolo[4,3-*b*]pyridazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

N'-(7-Cyclobutyl-3-(4-fluoro-phenyl)-[1,2,4]triazolo[4,3-*b*]pyridazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

N'-(7-Cyclobutyl-3-(3-fluoro-phenyl)-[1,2,4]triazolo[4,3-*b*]pyridazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

2,2,*N*,*N*-tetramethyl-*N*-(3-phenyl-[1,2,4]triazolo[3,4-*a*]phthalazin-6-yl)-propane-1,3-diamine;

N'-[3-(4-Methoxy-phenyl)-[1,2,4]triazolo[4,3-*a*]phthalazin-6-yl)-2,2,*N*,*N*-tetramethyl-propane-1,3-diamine;

6-(2-hydroxyethyl)oxy-3,7-diphenyl-[1,2,4]triazolo[4,3-*b*]pyridazine;

6-(4-hydroxybutyl)oxy-3,7-diphenyl-[1,2,4]triazolo[4,3-*b*]pyridazine;

2-(2-aminoprop-2-ylphenyl)-3-phenylquinazoline;

1-{1-[4-(7-Phenyl-1H-imidazo[4,5-g]quinoxalin-6-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-{1-[4-(6-Hydroxy-5-isobutyl-3-phenylpyrazin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-{1-[4-(5-Hydroxy-6-isobutyl-3-phenylpyrazin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[5-Hydroxy-6-(1H-indol-3-ylmethyl)-3-phenylpyrazin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[6-Hydroxy-5-(1H-indol-3-ylmethyl)-3-phenylpyrazin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-{1-[4-(3-Phenylquinoxalin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

3-(4-{[4-(2-Oxo-2,3-dihydro-1H-benzamidazol-1-yl)piperdin-1-yl]methyl}phenyl)-2-phenylquinaxoline-6-carboxylic acid;

2-(4-{[4-(2-Oxo-2,3-dihydro-1H-benzamidazol-1-yl)piperdin-1-yl]methyl}phenyl)-2-phenylquinaxoline-6-carboxylic acid;

N-[3-(1H-Imidazol-1-yl)propyl]-3-(4-{[4-(2-oxo-2,3-dihydro-1H-benzamidazol-1-yl)piperdin-1-yl]methyl}phenyl)-2-phenylquinaxoline-6-carboxamide;

1-{1-[4-(3-phenylpyrido[3,4-b]pyrazin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-{1-[4-(2-phenylpyrido[3,4-b]pyrazin-3-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

4-cyano-N-{(3R)-1-[4-(3-phenylquinoxalin-2-yl)benzyl]pyrrolidin-3-yl}benzamide;

N-{(3R)-1-[4-(3-phenylquinoxalin-2-yl)benzyl]pyrrolidin-3-yl}-1,3-thiazole-5-carboxamide;

2-(4-{[4-(6-amino-9H-purin-9-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxalin-6-amine;

9-{1-[4-(3-phenylpyrido[3,4-b]pyrazin-2-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;

9-{1-[4-(3-phenylpyrido[2,3-b]pyrazin-2-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;

2-(4-{[4-(6-amino-9H-purin-9-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxaline-6-carboxylic acid;

1-{1-[4-(3-phenylquinolin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[3-phenyl-6-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[3-phenyl-7-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

9-(1-{4-[3-phenyl-7-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-9H-purin-6-amine; and

9-(1-{4-[3-phenyl-6-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-9H-purin-6-amine;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

54. The method according to Claim 53 wherein the inhibitor of Akt is selected from:

N-[2-(diethylamino)ethyl]-3-(4-{[4-(2-oxo-2,3-dihydro-1*H*-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-2-phenylquinoxaline-6-carboxamide;

N-[2-(diethylamino)ethyl]-2-(4-{[4-(2-oxo-2,3-dihydro-1*H*-benzimidazol-1-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxaline-6-carboxamide;

4-cyano-N-{(3R)-1-[4-(3-phenylquinoxalin-2-yl)benzyl]pyrrolidin-3-yl}benzamide;

N-{(3R)-1-[4-(3-phenylquinoxalin-2-yl)benzyl]pyrrolidin-3-yl}-1,3-thiazole-5-carboxamide;

2-(4-{[4-(6-amino-9H-purin-9-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxalin-6-amine;

9-{1-[4-(3-phenylpyrido[3,4-b]pyrazin-2-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;

9-{1-[4-(3-phenylpyrido[2,3-b]pyrazin-2-yl)benzyl]piperidin-4-yl}-9H-purin-6-amine;

2-(4-{[4-(6-amino-9H-purin-9-yl)piperidin-1-yl]methyl}phenyl)-3-phenylquinoxaline-6-carboxylic acid;

1-{1-[4-(3-phenylquinolin-2-yl)benzyl]piperidin-4-yl}-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[3-phenyl-6-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

1-(1-{4-[3-phenyl-7-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-1,3-dihydro-2H-benzimidazol-2-one;

9-(1-{4-[3-phenyl-7-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-9H-purin-6-amine; and

9-(1-{4-[3-phenyl-6-(1H-tetrazol-5-yl)quinoxalin-2-yl]benzyl}piperidin-4-yl)-9H-purin-6-amine;

or a pharmaceutically acceptable salt or a stereoisomer thereof.

55. The method according to Claim 1 wherein the inhibitor of a protein kinase inhibits a protein kinase selected from the group comprising an RTK, a CTK or an STK.

56. The method according to Claim 55 wherein the protein kinase is an RTK.

57. The method according to Claim 56 wherein the RTK is selected from the group comprising EGF, HER2, HER3, HER4, IR, IGF-1R, IRR, PDGFRα, PDGFRβ, TrkA, TrkB, TrkC, HGF, CSFIR, C-Kit, C-fms, Flk-1R, Flk4, KDR/Flk-1, Flt-1, FGFR-1R, FGFR-1R, FGFR-3R and FGFR-4R.

58. The method according to Claim 57 wherein the RTK is selected from IR, IGF-1R, and IRR.

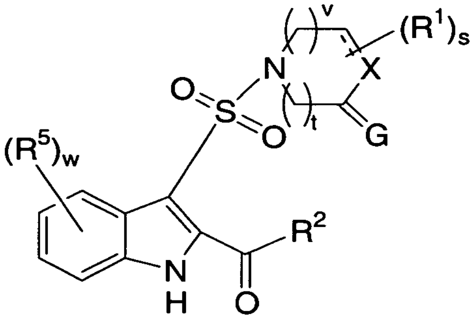
59. The method according to Claim 1 wherein the inhibitor of a protein kinase is selected from a small molecule compound, an antibody and an antisense molecule.

60. The method according to Claim 59 wherein the inhibitor of a protein kinase is selected from a small molecule compound and an antibody.

61. The method according to Claim 59 wherein the inhibitor of a protein kinase is a small molecule compound.

62. The method according to Claim 59 wherein the inhibitor of a protein kinase is a herceptin antibody.

63. The method according to Claim 1 wherein the inhibitor of a protein kinase is selected from a compound of the formula XI:



XI

wherein:

----- represents an optional double bond;

X is C, N, $S(O)_m$ or O;

G is H_2 or O;

R^a is independently selected from:

1) H,
2) C_1-C_6 alkyl,
3) Halogen,
4) Aryl,
5) Heterocycle,
6) C_3-C_{10} cycloalkyl, and
7) OR^4;

said alkyl, aryl, heterocycle and cycloalkyl is optionally substituted with at least one substituent selected from R^7;

R^1 is independently selected from:

1) H,
2) $(CR^a_2)_nR^6$,
3) $(CR^a_2)_nC(O)R^4$,
4) $C(O)N(R^4)_2$,
5) $(CR^a_2)_nOR^4$,
6) $(CR^a_2)_nN(R^4)_2$,
7) $S(O)_mR^6$,
8) $S(O)_mR^6OR^4$,
9) $C(O)N(R^4)(CR^a_2)_nR^6$,
10) $C(O)N(R^4)(CR^a_2)_nOR^4$,
11) $C(O)R^6(CR^a_2)_nR^6$,
12) $C(O)N(R^4)(CR^a_2)_nS(O)_m(CR^a_2)_nR^6$,
13) $C(O)N(R^4)(CR^a_2)_nC(O)R^6$,
14) $C(O)N(R^4)(CR^a_2)_nN(R^4)_2$,
15) Halogen,
16) $N(R^4)S(O)_mR^6$,

17) $(CR^a{}_2)_nC(O)OR^4$, and
18) $R^6C(O)OR$;

R^2 is:

1) H,
2) Unsubstituted or substituted C_1-C_{10} alkyl,
3) $N(R^4)_2$, or
4) OR^4;

R^4 is independently selected from:

1) H,
2) C_1-C_6 alkyl,
3) C_3-C_{10} cycloalkyl,
4) Aryl,
5) Heterocycle,
6) CF_3,
7) C_2-C_6 alkenyl, and
8) C_2-C_6 alkynyl;

said alkyl, cycloalkyl, aryl, heterocycle, alkenyl and alkynyl is optionally substituted with at least one substituent selected from R^7;

R^5 is independently selected from:

1) H,
2) Halogen,
3) NO_2,
4) CN,
5) $CR^4{=}C(R^4)_2$,
6) $C{\equiv}CR^4$,
7) $(CR^a{}_2)_nOR^4$,
8) $(CR^a{}_2)_nN(R^4)_2$,
9) $C(O)R^4$,
10) $C(O)OR^4$,

11) $(CR^a{}_2)_nR^4$,
12) $S(O)_mR^6$,
13) $S(O)_mN(R^4)_2$,
14) $OS(O)_mR^6$,
15) $N(R^4)C(O)R^4$,
16) $N(R^4)S(O)_mR^6$,
17) $(CR^a{}_2)_nN(R^4)R^6$,
18) $(CR^a{}_2)_nN(R^4)R^6OR^4$,
19) $(CR^a{}_2)_nN(R^4)(CR^a{}_2)_nC(O)N(R^4)_2$,
20) $N(R^4)(CR^a{}_2)_nR^6$,
21) $N(R^4)(CR^a{}_2)_nN(R^4)_2$, and
22) $(CR^a{}_2)_nC(O)N(R^4)_2$;

R^6 is independently selected from:

1) C_1-C_6 alkyl,
2) Aryl,
3) Heterocycle, and
4) C_3-C_{10} cycloalkyl;

said alkyl, aryl, heterocycle and cycloalkyl is optionally substituted with at least one substituent of R^7;

R^7 is independently selected from:

1) Unsubstituted or substituted C_1-C_6 alkyl,
2) Halogen,
3) OR^4,
4) CF_3,
5) Unsubtituted or substituted aryl,
6) Unsubstituted or substituted C_3-C_{10} cycloalkyl,
7) Unsubstituted or substituted heterocycle,
8) $S(O)_mN(R^4)_2$,
9) $C(O)OR^4$,
10) $C(O)R^4$,
11) CN,

12) $C(O)N(R^4)_2$,
13) $N(R^4)C(O)R^4$,
14) $S(O)_mR^6$, and
15) NO_2;

m is independently 0,1 or 2;
n is independently 0, 1, 2, 3, 4, 5 or 6;
s is 0 to 6;
t is 0, 1, or 2;
v is 0, 1 or 2;
w is 0, 1, 2, 3 or 4;

or a pharmaceutically acceptable salt or stereoisomer thereof.

64. The method according to Claim 1 wherein the inhibitor of a protein kinase selected from the formula XI is:

5-Chloro-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Iodo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Methoxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

6-Methoxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-(Methylsulfonyl)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Amino-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-nitro-1*H*-indole-2-carboxamide;

5-Chloro-3-(piperazin-1-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-[(4-Benzylpiperazin-1-yl)sulfonyl]-5-chloro-1*H*-indole-2-carboxamide;

3-[(4-Acetylpiperazin-1-yl)sulfonyl]-5-chloro-1*H*-indole-2-carboxamide;

5-Chloro-3-(piperidin-1-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Chloro-3-(pyrrolidin-1-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Chloro-3-(thiomorpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Azetidin-1-ylsulfonyl)-5-chloro-1*H*-indole-2-carboxamide;

5-Chloro-3-[(oxidothiomorpholin-4-yl)sulfonyl]-1*H*-indole-2-carboxamide;

5-Chloro-3-[(1,1-dioxidothiomorpholin-4-yl)sulfonyl]-1*H*-indole-2-carboxamide;

cis-5-Chloro-3-(2,6-dimethylmorpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

trans-5-Chloro-3-(2,6-dimethylmorpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Chloro-3-[(3-hydroxyazetidin-1-yl)sulfonyl]-1*H*-indole-2-carboxamide;

(±)-5-Chloro-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*S*)-5-Chloro-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*R*)-5-Chloro-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

5-Bromo-3-({4-[2-(dimethylamino)ethyl]-5-oxo-1,4-diazepan-1-yl}sulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-({5-oxo-1,4-diazepan-1-yl}sulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-[(3-oxopiperazin-1-yl)sulfonyl]-1*H*-indole-2-carboxamide;

5-Bromo-3-[(3-hydroxyazetidin-1-yl)sulfonyl]-1*H*-indole-2-carboxamide;

(±)-5-Bromo-3-{[2-(aminocarbonyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

3-(Azetidin-1-ylsulfonyl)-5-bromo-1*H*-indole-2-carboxamide;

5-Bromo-3-({4-[(4-methoxyphenyl)sulfonyl]piperazin-1-yl}sulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-({4-[(4-bromophenyl)sulfonyl]piperazin-1-yl}sulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-{[4-(3-morpholin-4-ylpropyl)-3-oxopiperazin-1-yl]sulfonyl}-1*H*-indole-2-carboxamide;

5-Bromo-3-({4-[3-(dimethylamino)propyl]-3-oxopiperazin-1-yl}sulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-(2,5-dihydroxy-1*H*-pyrrol-1-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-(6-oxa-3-azabicyclo[3.1.0]hex-3-ylsulfonyl)-1*H*-indole-2-carboxamide;

(±)-5-Bromo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*S*)-5-Bromo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*R*)-5-Bromo-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

6-Hydroxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-(2-Furyl)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-(phenylethynyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-(2-phenylethyl)-1*H*-indole-2-carboxamide;

5-Hex-1-ynyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Hexyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

Methyl 2-(aminocarbonyl)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-5-carboxylate;

3-(Morpholin-4-ylsulfonyl)-5-vinyl-1*H*-indole-2-carboxamide;

5-Hydroxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Ethoxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-propoxy-1*H*-indole-2-carboxamide;

5-Isopropoxy-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Ethyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

2-(Aminocarbonyl)-3-(morpholin-4-ylsulfonyl)-1*H*-indol-5-yl methanesulfonate;

3-(Morpholin-4-ylsulfonyl)-5-prop-1-ynyl-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-thien-2-yl-1*H*-indole-2-carboxamide;

3-(Azetidin-1-ylsulfonyl)-5-methoxy-1*H*-indole-2-carboxamide;

5-Formyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Methyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-(Acetylamino)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-[(Methylsulfonyl)amino]-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;
5-{[(4-Methoxyphenyl)amino]methyl}-3-morpholino-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-{[(2-Acetamide)amino]methyl}-3-morpholino-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholino-4-ylsulfonyl)-5-phenyl-1*H*-indole-2-carboxamide;

3-(Morpholino-4-ylsulfonyl)-5-pyrazin-2-yl-1*H*-indole-2-carboxamide;

3-(Morpholino-4-ylsulfonyl)-5-pyridin-2-yl-1*H*-indole-2-carboxamide;

3-(Morpholino-4-ylsulfonyl)-5-pyridin-4-yl-1*H*-indole-2-carboxamide;

5-(1-Benzofuran-2-yl)-3-(morpholino-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-(5-Methyl-2-furyl)-3-(morpholino-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-(3,5-Dimethylisoxazole-4-yl)-3-(morpholino-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-(1*H*-pyrrol-2-yl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-pyridin-3-yl-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-(1,3-thiazol-2-yl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-thien-3-yl-1*H*-indole-2-carboxamide;

5-(1-Benzothien-3-yl)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Azetidin-1-yl}sulfonyl)-5-iodo-1*H*-indole-2-carboxamide;
3-[(3-Hydroxyazetidin-1-yl)sulfonyl]-5-iodo-1*H*-indole-2-carboxamide;

(±)-5-Iodo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*S*)-5-Iodo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*R*)-5-Iodo-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

7-Amino-6-bromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Amino-4,6-dibromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

6-Bromo-7-(dimethylamino)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-7-[(pyridin-4-ylmethyl)amino]-1*H*-indole-2-carboxamide;

7-{[(2-Chloropyridin-4-yl)methyl]amino}-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Nitro-3-{[(2S)-2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

7-Amino-3-{[(2*S*)-2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

3-{[(2*S*)-2-(Phenoxymethyl)morpholin-4-yl]sulfonyl}-7-[(pyridin-4-ylmethyl)amino]-1*H*-indole-2-carboxamide;

7-(Benzylamino)-3-{[(2*S*)-2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

7-Chloro-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

6-Bromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Bromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Cyano-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

(±)-7-(Methylsulfinyl)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

7-Aminomethyl-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Amino-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

(*S*)-5-Fluoro-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*R*)-5-Fluoro-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

5-Acetylamino-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-[(Methylsulfonyl)amino]-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

3-(Morpholin-4-ylsulfonyl)-5-[(trifluoroacetyl)amino]-1*H*-indole-2-carboxamide;

5-[(2-Aminoethyl)amino]-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-(Dimethylamino)-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

4,5-Dibromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5,6-Dibromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-4-nitro-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-6-nitro-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-6-amino-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-4-amino-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

5-Bromo-3-({2-[(cyclohexylamino) carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(2,3-dihydro-1H-inden-1-ylamino)carbonyl] morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-phenylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3-phenylpropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3,3-diphenylpropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-{[2-(3,4-dihydroisoquinolin-2(1H)-ylcarbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-phenoxyethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

3-({2-[(3-Benzylpyrrolidin-1-yl)carbonyl]morpholin-4-yl}sulfonyl)-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(1,2,3,4-tetrahydronaphthalen-2-ylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

3-({2-[(Benzylamino)carbonyl]morpholin-4-yl}sulfonyl)-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[3-(trifluoromethyl)benzyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2,2-diphenylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(2,3-dihydro-1H-inden-2-ylamino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

7-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}-2-benzyl-7-aza-2-

azoniaspiro[4.4]nonane;

5-Bromo-3-{[2-({[(5-methylpyrazin-2-yl)methyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

3-({[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]amino}methyl)pyridine;

5-Bromo-3-[(2-{[(1-phenylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

1-(3-{[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]amino}propyl)-1H-imidazole;

5-Bromo-3-{[2-({[(1R)-1-phenylethyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-phenylpropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

3-[(2-{[Benzyl(methyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-5-bromo-1H-indole-2-carboxamide;

1-[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]-4-benzylpiperazine;

2-({[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]amino}methyl)pyridine;

5-Bromo-3-{[2-({[2-(tert-butylthio)ethyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

3-({2-[(Benzhydrylamino)carbonyl]morpholin-4-yl}sulfonyl)-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[(2S)-2-phenylcyclopropyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(3-phenylpyrrolidin-1-yl)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(4,4-diphenylpiperidin-1-yl)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2,3-dihydro-1H-inden-2-ylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(2,3-dihydro-1H-inden-1-ylamino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(2,3-dihydro-1H-inden-1-ylamino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(3-pyridin-4-ylpyrrolidin-1-yl)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-hydroxy-2,3-dihydro-1H-inden-1-yl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(4-hydroxy-4-phenylpiperidin-1-yl)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

3-{[2-(Anilinocarbonyl)morpholin-4-yl]sulfonyl}-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-oxo-2-phenylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-({2-[(neopentylamino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-

carboxamide;

5-Bromo-3-[(2-{[(1,2-diphenylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(4-chlorophenyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(4-phenoxyphenyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(4-tert-butylphenyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[3-(2-oxopyrrolidin-1-yl)propyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3-isopropoxypropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3-ethoxypropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-cyclohex-1-en-1-ylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2,2,3,3,4,4,4-heptafluorobutyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3-isobutoxypropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(3-butoxypropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-thien-2-ylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

2-({[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]amino}methyl)-1H-benzimidazole;

3-{[2-(Azepan-1-ylcarbonyl)morpholin-4-yl]sulfonyl}-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-({2-[({2-[(2,6-dichlorobenzyl)thio]ethyl}amino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

3-{[2-({[4-(Aminosulfonyl)benzyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-5-bromo-1H-indole-2-carboxamide;

5-Bromo-3-{[2-(thiomorpholin-4-ylcarbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-methoxyethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-methoxy-1-methylethyl)amino] carbonyl} morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(1-ethylpropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[6-(dimethylamino)hexyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(tetrahydrofuran-2-ylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(1-phenylcyclopropyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[phenyl(pyridin-4-yl)methyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(dicyclopropylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(1,4-dioxan-2-ylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({methyl[2-(4-methylphenoxy)ethyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-{[2-({[(1,1-dioxidotetrahydrothien-3-yl)methyl]amino}carbonyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[2-(2-phenylethyl)pyrrolidin-1-yl]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(2-cyclohexylethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

4-({[(4-{[2-(Aminocarbonyl)-5-bromo-1H-indol-3-yl]sulfonyl}morpholin-2-yl)carbonyl]amino}methyl)-1-methyl-1H-imidazole;

5-Bromo-3-[(2-{[(1,1-dioxidotetrahydrothien-3-yl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(1-naphthylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-Bromo-3-[(2-{[(imidazo[2,1-b][1,3]thiazol-6-ylmethyl)amino]carbonyl}morpholin-4-

yl)sulfonyl]-1H-indole-2-carboxamide;

3-[(2-{[2-(1,3-Benzothiazol-2-yl)pyrrolidin-1-yl]carbonyl}morpholin-4-yl)sulfonyl]-5-bromo-1H-indole-2-carboxamide;

5-Chloro-3-({2-[(2-ethoxyphenoxy)methyl] morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-Chloro-3-[(1R,4R)-2-oxa-5-azabicyclo[2.2.1]hept-5-ylsulfonyl]-1H-indole-2-carboxamide;

7-{[2-(Aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}-3-benzyl-9-thia-7-aza-3-azoniabicyclo[3.3.1]nonane;

5-Chloro-3-{[2-(1H-indol-4-yl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Chloro-3-(2,3-dihydro-1,4-benzoxazepin-4(5H)-ylsulfonyl)-1H-indole-2-carboxamide;

3-[(Benzofuran-yl-1-oxa-8-azaspiro[4.5]dec-8-yl)sulfonyl]-5-chloro-1H-indole-2-carboxamide;

5-Chloro-3-{[4-fluoro-4-(3-phenylpropyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

3-[(3-Benzyl-1-oxa-8-azaspiro[4.5]dec-8-yl)sulfonyl]-5-chloro-1H-indole-2-carboxamide;

3-({4-[(Benzyloxy)methyl]-4-phenylpiperidin-1-yl}sulfonyl)-5-chloro-1H-indole-2-carboxamide;

5-Chloro-3-{[4-hydroxy-4-(3-phenylpropyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

7-{[2-(Aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}-2-(4-chlorophenyl)-7-aza-2-

azoniaspiro[4.4]nonane;

3-(1-{[2-(Aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}piperidin-3-yl)-4-methyl-4H-1,2,4-triazole;

5-Chloro-3-{[3-(2-phenylethyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Chloro-3-{[3-(2-phenylethyl)pyrrolidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Chloro-3-{[4-(cyclopropyl{[3-(trifluoromethyl)phenyl]sulfonyl}amino)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Chloro-3-({2-[(4-chlorophenoxy)methyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

Tert-butyl (1-{[2-(aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}piperidin-3-yl)acetate;

3-[(3-Benzylpiperidin-1-yl)sulfonyl]-5-chloro-1H-indole-2-carboxamide;

5-Chloro-3-{[3-(2-methylphenyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

2-(1-{[2-(Aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}piperidin-4-yl)-N,N-dimethylethanamine;

1-(1-{[2-(Aminocarbonyl)-5-chloro-1H-indol-3-yl]sulfonyl}piperidin-4-yl)-3-(ethoxycarbonyl)piperidine;

5-Bromo-3-{[3-(4-tert-butoxybenzyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-3-{[4-(3-phenylpropyl)piperidin-1-yl]sulfonyl}-1H-indole-2-carboxamide;

5-Bromo-N-methoxy-N-methyl-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1H-indole-2-carboxamide; and

(*S*)-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

or the pharmaceutically acceptable salts or stereoisomers thereof.

65. The method according to Claim 64 wherein the inhibitor of a protein kinase is selected from:

5-Bromo-3-(morpholin-4-ylsulfonyl)-1*H*-indole-2-carboxamide;

(*S*)-5-Chloro-3-{[2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*S*)-5-Bromo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

(*S*)-5-Iodo-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

7-Amino-3-{[(2*S*)-2-(phenoxymethyl)morpholin-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

3-{[(2*S*)-2-(Phenoxymethyl)morpholin-4-yl]sulfonyl}-7-[(pyridin-4-ylmethyl)amino]-1*H*-indole-2-carboxamide;

5-bromo-3-({2-[(2,3-dihydro-1H-inden-2-ylamino)carbonyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide;

5-bromo-3-[(2-{[(1-naphthylmethyl)amino]carbonyl}morpholin-4-yl)sulfonyl]-1H-indole-2-carboxamide;

5-chloro-3-({2-[(4-chlorophenoxy)methyl]morpholin-4-yl}sulfonyl)-1H-indole-2-carboxamide; and

(*S*)-3-{[2-(phenoxymethyl)morpholino-4-yl]sulfonyl}-1*H*-indole-2-carboxamide;

or a pharmaceutically acceptable salt or stereoisomer thereof.

66. A pharmaceutical composition for treating cancer in a mammal in need thereof which comprises amounts of at least one inhibitor of Akt and one inhibitor of a protein kinase.

67. A pharmaceutical composition for treating cancer in a mammal in need thereof which comprises amounts of at least two inhibitors of Akt.

68. The pharmaceutical composition according to Claim 66 comprising an amount of an inhibitor of Akt and an inhibitor of a protein kinase.

69. The pharmaceutical composition according to Claim 67 comprising an amount of two inhibitors of Akt.

70. The pharmaceutical composition according to Claim 66 wherein the treatment of cancer is selected from inhibition of cancerous tumor growth and the regression of cancerous tumors.

71. The pharmaceutical composition according to Claim 67 wherein the treatment of cancer is selected from inhibition of cancerous tumor growth and the regression of cancerous tumors.

72. The pharmaceutical composition according to Claim 66 wherein the treatment of cancer is selected from cancer comprising breast cancer, prostate cancer, pancreatic cancer, colorectal cancer, lung cancer, ovarian cancer, renal cell carcinoma, endometrial carcinoma, glioblastoma, colon cancer and bladder cancer.

73. The pharmaceutical composition according to Claim 67 wherein the treatment of cancer is selected from cancer comprising breast cancer, prostate cancer, pancreatic cancer, colorectal cancer, lung cancer, ovarian cancer, renal cell carcinoma, endometrial carcinoma, glioblastoma, colon cancer and bladder cancer.

74. The pharmaceutical composition according to Claim 72 wherein the cancer is selected from breast cancer, prostate cancer, pancreatic cancer and ovarian cancer.

75. The pharmaceutical composition according to Claim 73 wherein the cancer is selected from breast cancer, prostate cancer, pancreatic cancer and ovarian cancer.

76. A method of preparing a pharmaceutical composition for treating cancer in a mammal in need thereof which comprises mixing amounts of at least one inhibitor of Akt and at least one inhibitor of a protein kinase.

77. A method of preparing a pharmaceutical composition for treating cancer in a mammal in need thereof which comprises mixing amounts of at least two selective inhibitors of Akt.

78. The method of preparing a pharmaceutical composition according to Claim 75 comprising mixing an amount of an inhibitor of Akt and an amount of an inhibitor of a protein kinase.

79. The method of preparing a pharmaceutical composition according to Claim 77 comprising mixing an amount of two selective inhibitors of Akt.

80. A method of treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least one inhibitor of Akt and at least one inhibitor of a protein kinase and applying to the mammal radiation therapy.

81. A method of treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least two inhibitors of Akt and applying to the mammal radiation therapy.

82. The method according to Claim 80 wherein an amount of an inhibitor of Akt and an amount of an inhibitor of a protein kinase are administered simultaneously.

83. The method according to Claim 81 wherein the amount of at least two inhibitors of Akt are administered simultaneously.

84. The method according to Claim 80 wherein an amount of an inhibitor of Akt and an amount of an inhibitor of a protein kinase are administered consecutively.

85. The method according to Claim 81 wherein the amounts of at least two inhibitors of Akt are administered consecutively.

86. A method of treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least one inhibitor of Akt and at least one inhibitor of a protein kinase in combination with a third compound selected from:

1) an estrogen receptor modulator,
2) an androgen receptor modulator,
3) a retinoid receptor modulator,
4) a cytotoxic/cytostatic agent,
5) an antiproliferative agent,
6) a prenyl-protein transferase inhibitor,
7) an HMG-CoA reductase inhibitor,
8) an HIV protease inhibitor,
9) a reverse transcriptase inhibitor,
10) an angiogenesis inhibitor,
11) PPAR-γ agonists,
12) PPAR-δ agonists,
13) an inhibitor of inherent multidrug resistance,
14) an anti-emetic agent,
15) an agent useful in the treatment of anemia,
16) an agent useful in the treatment of neutropenia,
17) an immunologic-enhancing drug,
18) an inhibitor of cell proliferation and survival signaling, and
19) an agent that interferes with a cell cycle checkpoint.

87. A method of treating cancer in a mammal in need thereof which comprises administering to said mammal amounts of at least two inhibitors of Akt in combination with a third compound selected from:

1) an estrogen receptor modulator,
2) an androgen receptor modulator,
3) a retinoid receptor modulator,
4) a cytotoxic/cytostatic agent,
5) an antiproliferative agent,
6) a prenyl-protein transferase inhibitor,
7) an HMG-CoA reductase inhibitor,
8) an HIV protease inhibitor,

9) a reverse transcriptase inhibitor,
10) an angiogenesis inhibitor,
11) PPAR-γ agonists,
12) PPAR-δ agonists,
13) an inhibitor of inherent multidrug resistance,
14) an anti-emetic agent,
15) an agent useful in the treatment of anemia,
16) an agent useful in the treatment of neutropenia,
17) an immunologic-enhancing drug,
18) an inhibitor of cell proliferation and survival signaling, and
19) an agent that interferes with a cell cycle checkpoint.

88. The method of Claim 86 wherein the third compound is an estrogen receptor modulator selected from tamoxifen and raloxifene.

89. The method of Claim 87 wherein the third compound is an estrogen receptor modulator selected from tamoxifen and raloxifene.

90. The method of Claim 86 wherein the third compound is paclitaxel or trastuzumab.

91. The method of Claim 87 wherein the third compound is paclitaxel or trastuzumab.

92. The method of Claim 86 wherein the third compound is a GPIIb/IIIa antagonist.

93. The method of Claim 87 wherein the third compound is a GPIIb/IIIa antagonist.

94. The method of Claim 92 wherein the GPIIb/IIIa antagonist is tirofiban.

95. The method of Claim 93 wherein the GPIIb/IIIa antagonist is tirofiban.

96. The method of Claim 86 wherein the third compound is a COX-2 inhibitor.

97. The method of Claim 87 wherein the third compound is a COX-2 inhibitor.